

Project Name: WAG
Project Code: WAG **Site ID:** C46 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	Beattie, John	Locality:	mitchell County Ashcroft Par. Por. 89; eastern boundary Road, 400m south of Wa Wagga-Lockhart Road:
Date Desc.:	09/01/57	Elevation:	213 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	0
Northing/Long.:	147	Runoff:	Rapid
Easting/Lat.:	-35.25	Drainage:	Well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	No Data	Relief:	61 metres
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Gn2
		Great Soil Group:	Red earth

Site Disturbance:

Vegetation: Low Strata - , , . *Species includes - None recorded
 Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus species

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.05 m	Yellowish red (5YR5/6-Moist); , 2.5YR58; Silty clay loam; Massive grade of structure; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments;
	0.05 - 0.12 m	Yellowish red (5YR5/8-Moist); , 2.5YR58; Silty clay loam; Massive grade of structure; Very firm consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments;
	0.12 - 0.2 m	Yellowish red (5YR5/6-Moist); ; Silty clay loam; Massive grade of structure; Very firm consistence; 2-10%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Diffuse change to -
B1	0.2 - 0.28 m	Yellowish red (5YR5/8-Moist); ; Fine sandy light clay; Massive grade of structure; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments;
	0.28 - 0.35 m	Red (2.5YR4/6-Moist); , 5YR58; , 5YR68; Light medium clay; Massive grade of structure; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments;
	0.35 - 0.43 m	Red (2.5YR4/6-Moist); , 5YR58; , 2.5YR46; Medium clay; Massive grade of structure; Very weak consistence; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules; Diffuse change to -
B2	0.5 - 0.58 m	Yellowish red (5YR5/8-Moist); , 7.5YR68; , 10R34; Medium clay; Massive grade of structure; Dry; Weak consistence; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Nodules; Gradual change to -
	0.66 - 0.74 m	Brownish yellow (10YR6/8-Moist); , 2.5YR36; , 10R36; Medium clay; Massive grade of structure; Weak consistence; Very few (0 - 2 %), Argillaceous, Medium (2 -6 mm), Nodules; Sharp change to -
D1	0.91 - 1.04 m	Yellowish brown (10YR5/6-Moist); , 2.5YR54; , 2.5YR46; Light medium clay; Moderately moist; Very weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments;
	1.24 - 1.32 m	Brownish yellow (10YR6/6-Moist); , 10YR42; , 2.5YR46; Light medium clay; Very weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Argillaceous, Medium (2 -6 mm), Nodules;

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	1.42 - 1.5 m	Reddish brown (2.5YR5/4-Moist); , 2.5YR36; Medium clay; Weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, , Concretions;
	1.6 - 1.68 m	Yellowish brown (10YR5/6-Moist); , 2.5Y66; , 5YR46; Clay loam; Very weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Concretions;
	1.8 - 1.88 m	Dark red (2.5YR3/6-Moist); , 2.5Y54; , 2.5Y62; Clay loam; Very weak consistence; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Concretions; Sharp change to -
D2	2.03 - 2.1 m	Dark red (2.5YR3/6-Moist); , 2.5Y54; , 2.5Y62; Light clay; Moderately moist; Weak consistence; 2-10%, coarse gravelly, 20-60mm, angular, Quartzite, coarse fragments;
	2.79 - 3.55 m	Dark red (2.5YR3/6-Moist); , 10YR54; , 2.5Y54; Sandy clay loam; Weak consistence; 2-10%, coarse gravelly, 20-60mm, angular, Quartzite, coarse fragments;

Morphological Notes

Observation Notes

FINE GRAVEL IS Fe STAINED; ASHCROFT (SILTY) CLAY LOAM; SEE ORIGINAL FOR MORE DETAIL:

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m					g/g - m3/m3				mm/h	mm/h

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Laboratory Analyses Completed for this profile